Performance Data Sheet

VSC9515ZXG

General Information

Model	VSC9515ZXG	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	460V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	20900	19400	17800	16200	14500	12700	10800
	Watts	1360	1550	1770	2010	2290	2600	2940
	Amps	2.13	2.43	2.77	3.16	3.59	4.08	4.62
	Lb/h	330	325	320	313	305	295	283
25	Btu/h	23100	21400	19700	18000	16100	14100	12000
	Watts	1350	1540	1760	2010	2280	2590	2940
	Amps	2.11	2.42	2.76	3.15	3.58	4.07	4.61
	Lb/h	367	362	356	350	342	332	320
30	Btu/h	25500	23700	21800	19800	17800	15700	13400
	Watts	1340	1530	1750	2000	2280	2590	2940
	Amps	2.10	2.40	2.75	3.13	3.57	4.06	4.61
	Lb/h	409	403	397	390	382	372	360
35	Btu/h	28100	26100	24000	21900	19600	17300	14800
	Watts	1320	1520	1740	1990	2260	2580	2930
	Amps	2.08	2.38	2.73	3.12	3.55	4.04	4.59
	Lb/h	455	448	442	434	425	415	403
40	Btu/h	30900	28700	26400	24100	21600	19100	16400
	Watts	1310	1500	1720	1970	2250	2560	2910
	Amps	2.05	2.36	2.70	3.09	3.53	4.02	4.57
	Lb/h	506	498	491	483	474	463	451
45	Btu/h	34000	31500	29000	26400	23700	21000	18100
	Watts	1290	1480	1700	1950	2230	2550	2900
	Amps	2.02	2.33	2.67	3.06	3.50	3.99	4.54
	Lb/h	562	553	545	536	527	516	504
50	Btu/h	37200	34500	31800	28900	26000	23000	19900
	Watts	1270	1460	1680	1930	2210	2520	2870
	Amps	1.99	2.29	2.64	3.03	3.46	3.96	4.51
	Lb/h	623	614	605	595	585	574	561

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.069211E+04	3.705802E+02	5.813983E-01	2.333601E+02
C2	4.590318E+02	-1.762961E+00	-2.765886E-03	6.093765E+00

C3	-9.663947E+01	1.035034E+01	1.623851E-02	-6.791041E-01
C4	5.172023E+00	3.751274E-02	5.885323E-05	5.355249E-02
C5	-1.900531E+00	-1.099409E-02	-1.724848E-05	-2.488716E-02
C6	2.529761E-01	-9.139162E-03	-1.433831E-05	9.776510E-03
C7	1.461991E-02	-3.601039E-04	-5.649622E-07	5.783410E-04
C8	-3.296241E-02	-5.769138E-04	-9.051122E-07	-2.186338E-04
C9	7.133911E-04	2.786209E-04	4.371246E-07	1.427897E-04
C10	-2.122391E-03	4.660305E-04	7.311490E-07	-6.146765E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature